

**Development of Solar Energy**

1134. PROF. M. M. AGARWAL: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the State-wise details of the financial assistance proposed, the amount allocated and the amount utilised by the State Governments for development of solar energy during 1998-99, 1999-2000 and 2000-2001;

(b) whether it is a fact that the amount sanctioned for development of solar energy has not been fully released to the States;

(c) if so, the reasons therefor; and

(d) the steps being taken by Government in this regard?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) to (d) The Government is implementing countrywide programmes under which solar energy systems like solar lanterns, home lighting systems, street lighting systems, water pumping systems, stand alone village level power plants, grid connected power plants, solar cookers and solar water heating systems are being promoted through central subsidy, soft loan packages and other incentives. In addition, the Government is supporting the establishment of 'Aditya' solar shops in selected cities in the country.

The solar energy programmes are being implemented through the State renewable energy development agencies, the Indian Renewable Energy Development Agency Limited (IREDA), reputed non-Government organizations, selected public sector undertakings and public sector banks.

Most of the schemes provide for sanction of projects or activities to be undertaken each year, allocation of central assistance for this purpose and release of some funds in advance. The release of allocated funds is governed by the progress of implementation, utilization of the previously released funds and other provisions of the schemes. The funds released to a State during a year includes an advance for that year's programme and funds released for the

settlement of accounts of the programmes implemented during earlier years.

The details of the funds allocated to different States and Union Territories and the funds released to them during the past three years i.e. 1998-99, 1999-2000 and 2000-2001 are given in the Statement (see below).

In some cases, State agencies are unable to utilize the funds released due to delays in the release of State share, delays in procurement, etc. The Government regularly interacts with the States and the programme implementing organizations to implement the projects in a time bound manner, so that the full sanctioned amounts could be released to them.

### Statement

*State-wise financial allocations made and amounts released during 1998-99, 1999-2000 and 2000-2001 under various Solar Energy Programmes*

(Rs. in lakhs)

S. No.	State/UT	1998-99		1999-2000		2000-01	
		Alloca- tion	Funds released	Alloca- tion	Funds released	Alloca- tion	Funds released
1	2	3	4	5	6	7	8
1	Andhra Pradesh	161.00	188.14	111.40	55.90	128.73	69.20
2	Arunachal Pradesh	40.80	31.20	24.40	22.57	60.90	18.53
3	Assam	56.35	70.10	45.40	24.38	154.80	55.14
4	Bihar	258.00	245.54	264.80	369.72	215.70	6.20
5	Chhattisgarh	—	—	—	—	394.45	197.00
6	Goa	1.60	0.85	2.80	1.45	2.20	0.5
7	Gujarat	101.00	111.48	82.85	88.70	354.53	310.71
8	Haryana	250.00	180.51	235.25	187.33	373.50	255.35
9	Himachal Pradesh	150.00	167.23	185.60	327.32	245.65	131.25
10	Jammu and Kashmir	382.60	163.12	324.60	335.94	224.00	75.25
11	Karnataka	59.00	46.30	99.10	41.80	114.54	78.54
12	Kerala	209.99	130.65	96.89	219.79	566.20	323.61
13	Madhya Pradesh	287.50	199.00	84.32	83.37	16.63	0.80
14	Maharashtra	31.10	21.00	42.17	21.53	77.02	46.28

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1	2	3	4	5	6	7	8
15	Manipur	28.40	30.80	59.40	43.28	24.90	2.40
16	Meghalaya	12.70	18.60	15.86	8.36	113.00	58.00
17	Mizoram	19.80	24.03	28.30	15.74	301.62	165.55
18	Nagaland	5.50	5.23	20.53	7.25	23.20	8.68
19	Orissa	527.60	278.86	287.90	302.26	237.20	34.02
20	Punjab	291.50	299.40	279.47	251.04	161.18	57.36
21	Rajasthan	267.20	490.14	463.13	318.31	447.22	187.61
22	Sikkim	3.90	7.41	5.14	2.66	11.80	2.59
23	Tamil Nadu	55.40	49.76	72.96	54.70	95.10	75.66
24	Tripura	54.39	86.79	90.21	66.65	114.42	110.87
25	Uttar Pradesh	703.75	909.38	738.10	392.40	579.27	616.41
26	Uttaranchal	—	—	—	—	402.00	208.60
27	West Bengal	351.60	180.05	292.96	397.30	548.72	359.73
28	A & N Islands	10.50	10.50	10.00	10.00	19.60	10.15
29	Chandigarh	7.90	20.61	7.90	4.15	17.35	0.80
30	Delhi	8.00	0	32.00	7.20	57.05	14.11
31	Lakshadweep Islands	99.00	55.00	127.40	116.90	223.00	257.00
32	Pondicherry	7.20	4.50	5.02	2.62	—	—

**Increasing power generation from Non-Conventional Energy Sources**

1135. SHRI PREM CHAND GUPTA: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether Government plans to increase the power generation from non-conventional energy sources from 1500 MW to 12000 MW by the year 2012;

(b) whether this power will come mainly from the wind power;

(c) whether this project is highly capital intensive and will require large financial resources to implement;

(d) whether it is a fact that the capacity established from wind power in the last ten years has only been 1167 MW; and

(e) if so, Government plans to implement the scheme?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) The Ministry of Non-Conventional Energy Sources has formulated a Draft Renewable Energy Policy Statement. Among the goals envisaged in the Draft Policy Statement for 2012 is to increase the share of non-conventional energy in the additional capacity to 10%, or 10,000 MW, in the next 12 years.